



FORM PTO-1449/A and B (Modification) INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICATION NO.: 10/622,076		ATTY. DOCKET NO.: C0989.70054US00	
		FILING DATE: July 17, 2003		CONFIRMATION NO.: 1842	
		APPLICANT: Rudolf Gilmanshin			
		GROUP ART UNIT: 1724		EXAMINER: Not Yet Assigned	
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U.S. PATENT DOCUMENTS

Examiner's Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or of issue of Cited Document MM-DD-YYYY
		Number	Kind Code		
AB		6,355,420	B1	Chan	03-12-2002

FOREIGN PATENT DOCUMENTS

Examiner's Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document (not necessary)	Date of Publication of Cited Document MM-DD-YYYY	Translation (Y/N)
		Office/ Country	Number	Kind Code			

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				GROUP ART UNIT: 1637		EXAMINER: Angela Marie Bertagna	
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		Number	Kind Code		
AB	A2	4,737,454		Dattagupta et al.	04-12-1988
	A3	4,873,187		Taub et al.	10-10-1989
	A4	4,959,309		Dattagupta et al.	09-25-1990
	A5	5,525,465		Haralambidis et al.	06-11-1996
	A6	5,629,178		Demers	05-13-1997
	A7	5,955,590		Levina et al.	09-21-1999
	A8	6,110,676		Coull et al.	08-29-2000
	A9	6,165,720		Felgner et al.	12-26-2000
	A10	6,197,513	B1	Coull et al.	03-06-2001
	A11	6,210,896	B1	Chan	04-03-2001
	A12	6,225,063	B1	Khvorova et al.	05-01-2001
	A13	6,263,286	B1	Gilmanshin et al.	06-17-2001
	A14	6,280,946	B2	Hyldig-Nielsen et al.	08-28-2001
	A15	6,287,772	B1	Stefano et al.	09-11-2001
	A16	6,312,894	B1	Hedgpeth et al.	11-06-2001
	A17	6,403,311	B1	Chan	06-11-2002
	A18	6,696,022	B1	Chan et al.	02-24-2004
	A19	6,762,059	B2	Chan et al.	07-13-2004
	A20	6,772,070	B2	Gilmanshin et al.	08-16-2004
	A21	6,790,671	B1	Austin et al.	09-14-2004
	A22	6,927,065		Chan et al.	08-09-2005
	A23	2002-0110818	A1	Chan	08-15-2002
	A24	2002-0119455	A1	Chan	08-29-2002
	A25	2002-0187508	A1	Wong	12-12-2002
	A26	2002-0197639	A1	Shia et al.	12-26-2002
	A27	2003-0059822	A1	Chan et al.	03-27-2003
	A28	2003-0215864	A1	Gilmanshin et al.	11-20-2003
	A29	2003-0235854	A1	Chan	12-25-2003
	A30	2004-0009612	A1	Zhao et al.	01-15-2004
	A31	2004-0166025	A1	Chan et al.	08-26-2004
	A32	2004-0214211	A1	Gilmanshin et al.	10-28-2004
AB	A33	2004-0235014	A1	Nadel et al.	11-25-2004

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AB	A34	2005-0042665	A1	Gilmanshin	02-24-2005
	A35	2005-0112595	A1	Zhao et al.	05-26-2005
	A36	2005-0112606	A1	Fuchs et al.	05-26-2005
	A37	2005-0112620	A1	Chan	05-26-2005
	A38	2005-0112671	A1	Maletta et al	05-26-2005
	A39	2005-0123944	A1	Neely et al.	06-09-2005
	A40	2005-0123974	A1	Gilmanshin et al.	06-09-2005
	A41	2005-0142595	A1	Maletta et al.	06-30-2005
	A42	2005-0153354	A1	Gilmanshin et al.	07-04-2005
↓	A43	2005-0196790	A1	Rooke et al.	09-08-2005
AB	A44	2005-0221408	A1	Nalefski et al.	10-06-2005

FOREIGN PATENT DOCUMENTS

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AB	B1	WO	98/35012	A2	U.S. Genomics, Inc.	08-13-1998	
AB	B2	WO	00/09757	A1	U.S. Genomics, Inc.	02-24-2000	
AB	B3	WO	01/13088	A1	U.S. Genomics, Inc.	02-22-2001	

OTHER ART — NON PATENT LITERATURE DOCUMENTS

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AB	C1	ALAHARI et al., Inhibition of expression of the multidrug resistance-associated P-glycoprotein of by phosphorothioate and 5' cholesterol-conjugated phosphorothioate antisense oligonucleotides. Mol Pharmacol. 1996 Oct;50(4):808-19. Abstract Only.	
↓	C2	BRAASCH et al., Locked nucleic acid (LNA): fine-tuning the recognition of DNA and RNA. Chem Biol. 2001 Jan;8(1):1-7. Abstract Only.	
	C3	BUNNELL et al., Targeted delivery of antisense oligonucleotides by molecular conjugates. Somat Cell Mol Genet. 1992 Nov;18(6):559-69. Abstract Only.	
↓	C4	GRIGORIEV et al., Inhibition of gene expression by triple helix-directed DNA cross-linking at specific sites. Proc Natl Acad Sci U S A. 1993 Apr 15;90(8):3501-5.	
AB	C5	KOSHKIN et al., A simplified and efficient route to 2'-O, 4'-C-methylene-linked bicyclic ribonucleosides (locked nucleic acid). J Org Chem. 2001 Dec 14;66(25):8504-12. Abstract Only.	

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AB	C6	LIANG et al., Targeted delivery of plasmid DNA to myogenic cells via transferrin-conjugated peptide nucleic acid. Mol Ther. 2000 Mar;1(3):236-43. Abstract Only.	
	C7	MODRICH et al., EcoRI endonuclease. Physical and catalytic properties of the homogenous enzyme. J Biol Chem. 1976 Oct 10;251(19):5866-74.	
	C8	NORTON et al., Targeting peptide nucleic acid-protein conjugates to structural features within duplex DNA. Bioorg Med Chem. 1995 Apr;3(4):437-45. Abstract Only.	
	C9	ORUM et al., Locked nucleic acids: a promising molecular family for gene-function analysis and antisense drug development. Curr Opin Mol Ther. 2001 Jun;3(3):239-43. Abstract Only.	
	C10	PARDRIDGE et al., Vector-mediated delivery of a polyamide ("peptide") nucleic acid analogue through the blood-brain barrier in vivo. Proc Natl Acad Sci U S A. 1995 Jun 6;92(12):5592-6.	
	C11	PETERSEN et al., The conformations of locked nucleic acids (LNA). J Mol Recognit. 2000 Jan-Feb;13(1):44-53. Abstract Only.	
	C12	RAJUR et al., Covalent protein-oligonucleotide conjugates for efficient delivery of antisense molecules. Bioconjug Chem. 1997 Nov-Dec;8(6):935-40. Abstract Only.	
	C13	SAM et al., Catalytic roles of divalent metal ions in phosphoryl transfer by EcoRV endonuclease. Biochemistry. 1999 May 18;38(20):6576-86. Abstract Only.	
	C14	TAYLOR et al., Probing specific sequences on single DNA molecules with bioconjugated fluorescent nanoparticles. Anal Chem. 2000 May 1;72(9):1979-86.	
	C15	WAGNER et al., Transferrin-polycation conjugates as carriers for DNA uptake into cells. Proc Natl Acad Sci U S A. 1990 May;87(9):3410-4.	
AB	C16	ZENKE et al., Receptor-mediated endocytosis of transferrin-polycation conjugates: an efficient way to introduce DNA into hematopoietic cells. Proc Natl Acad Sci U S A. 1990 May;87(10):3655-9.	

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